

10821942_CLSTITLES

Titles of most frequently occurring classifications of patents returned
from a search of 10821942 on Jan 11 , 2008

- 6 84/625 (2 OR, 4 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/622Tone synthesis or timbre control
 - 84/625Mixing
- 4 381/61 (3 OR, 1 XR)
 - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
 - 381/61 .SOUND EFFECTS
- 4 84/623 (3 OR, 1 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/622Tone synthesis or timbre control
 - 84/623Time varying or dynamic Fourier components
- 4 84/624 (0 OR, 4 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/622Tone synthesis or timbre control
 - 84/624Modulation
- 3 84/627 (1 OR, 2 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/626Expression or special effects (e.g., force or velocity responsive, etc.)
 - 84/627Envelope shaping (i.e., attack, decay, sustain, or release)
- 3 84/477R (2 OR, 1 XR)
 - Class 84 MUSIC

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- 84/453 .ACCESSORIES
- 84/470R ..Teaching devices
- 84/477R ...Indicators
- 3 84/616 (1 OR, 2 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/615Selecting circuits
 - 84/616Fundamental tone detection or extraction
- 3 84/603 (2 OR, 1 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/603Sampling (e.g., with A/D conversion)
- 3 310/320 (2 OR, 1 XR)
 - Class 310 ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/300 .NON-DYNAMOELECTRIC
 - 310/311 ..Piezoelectric elements and devices
 - 310/320 ...Piezoelectric slab having different resonant frequencies at different areas
- 2 381/98 (0 OR, 2 XR)
 - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
 - 381/98 .INCLUDING FREQUENCY CONTROL
- 2 310/324 (1 OR, 1 XR)
 - Class 310 ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/300 .NON-DYNAMOELECTRIC
 - 310/311 ..Piezoelectric elements and devices
 - 310/321 ...Combined with resonant structure
 - 310/324Diaphragm
- 2 310/346 (0 OR, 2 XR)
 - Class 310 ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/300 .NON-DYNAMOELECTRIC
 - 310/311 ..Piezoelectric elements and devices
 - 310/346 ...With temperature compensating structure
- 2 333/191 (1 OR, 1 XR)
 - Class 333 WAVE TRANSMISSION LINES AND NETWORKS

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333/24R .COUPLING NETWORKS
 333/186 ..Electromechanical filter
 333/187 ...Using bulk mode piezoelectric vibrator
 333/189Plural coupled vibrators
 333/191Monolithic structure

2 84/DIG 18 (0 OR, 2 XR)

Class 84 MUSIC
 84/DIG 18 .Tuning

2 84/454 (1 OR, 1 XR)

Class 84 MUSIC
 84/453 .ACCESSORIES
 84/454 ..Tuning devices

2 84/654 (0 OR, 2 XR)

Class 84 MUSIC
 84/1 .INSTRUMENTS
 84/600 ..Electrical musical tone generation
 84/647 ...Digital combinational circuit
 84/653Selecting circuits
 84/654Fundamental tone detection or extraction

2 984/324 (0 OR, 2 XR)

Class 984 MUSICAL INSTRUMENTS

984/300 .ELECTRONIC MUSICAL INSTRUMENTS {structural combinations of microphones, pick-ups, or amplifiers with musical instruments subclasses 1+, 50+, and 100+; Instruments in which each note is generated by a different individually-actuated mechanical resonating structure and is amplified electrically subclasses 50+; Instruments in which each note is produced by a different electrically-vibrated sounding element subclasses 100+; Electronic circuits in general H03. {G10H}

984/301 ..Details of electrophonic musical instruments {keyboards applicable also to other musical instruments subclasses 1+ and 50+} {G10H 1/00}

984/309 ...Means for controlling the tone frequencies, e.g., attack, decay, etc.; Means for producing special musical effects, e.g., vibrato, glissado {for instruments using voltage controlled oscillators and amplifiers or voltage controlled oscillations and filters, etc., see subclass 381} {G10H 1/02}

984/324Circuits for establishing the harmonic content of tones; other arrangements for changing the tone color {G10H 1/06}

2 84/660 (0 OR, 2 XR)

Class 84 MUSIC
 84/1 .INSTRUMENTS
 84/600 ..Electrical musical tone generation
 84/647 ...Digital combinational circuit
 84/659Tone synthesis or timbre control

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- 84/660Mixing
- 2 984/260 (0 OR, 2 XR)
 - Class 984 MUSICAL INSTRUMENTS
 - 984/250 .AIDS FOR MUSIC (metronomes G04F 5/02; teaching music G09B 15/00)
- {G10G}
 - 984/258 ..Other auxillary devices, e.g., separate holders for resin, strings, conductor's batons, etc. {G10G 7/00}
 - 984/260 ...Tuning forks or like devices {G10G 7/02}
- 2 84/605 (2 OR, 0 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/604Waveform memory
 - 84/605Read out at different rates
- 2 84/DIG 9 (0 OR, 2 XR)
 - Class 84 MUSIC
 - 84/DIG 9 .Filtering
- 2 84/411M (1 OR, 1 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/411R ..Drums
 - 84/411M ...Mutes
- 2 84/626 (0 OR, 2 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/626Expression or special effects (e.g., force or velocity responsive, etc.)
- 2 84/404 (1 OR, 1 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/402 ..Rigid vibrators
 - 84/403 ...Bars and supports
 - 84/404With strikers
- 2 84/402 (1 OR, 1 XR)
 - Class 84 MUSIC

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- 84/1 .INSTRUMENTS
- 84/402 ..Rigid vibrators
- 2 702/66 (2 OR, 0 XR)
 - Class 702 DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
 - 702/1 .MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
 - 702/57 ..Electrical signal parameter measurement system
 - 702/66 ...Waveform analysis
- 2 381/107 (1 OR, 1 XR)
 - Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
 - 381/104 .INCLUDING AMPLITUDE OR VOLUME CONTROL
 - 381/107 ..Automatic
- 2 310/366 (0 OR, 2 XR)
 - Class 310 ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/300 .NON-DYNAMOELECTRIC
 - 310/311 ..Piezoelectric elements and devices
 - 310/365 ...Electrode arrangement
 - 310/366More than two
- 2 84/DIG 24 (0 OR, 2 XR)
 - Class 84 MUSIC
 - 84/DIG 24 .Piezoelectrical transducers
- 2 84/622 (0 OR, 2 XR)
 - Class 84 MUSIC
 - 84/1 .INSTRUMENTS
 - 84/600 ..Electrical musical tone generation
 - 84/601 ...Data storage
 - 84/602Digital memory circuit (e.g., RAM, ROM, etc.)
 - 84/622Tone synthesis or timbre control
- 2 984/397 (0 OR, 2 XR)
 - Class 984 MUSICAL INSTRUMENTS
 - 984/300 .ELECTRONIC MUSICAL INSTRUMENTS {structural combinations of microphones, pick-ups, or amplifiers with musical instruments subclasses 1+, 50+, and 100+; Instruments in which each note is generated by a different individually-actuated mechanical resonating structure and is amplified electrically subclasses 50+; Instruments in which each note is produced by a different electrically-vibrated sounding element subclasses 100+; Electronic circuits in general H03. {G10H}
 - 984/388 ..Instruments in which the tones are synthesized from a data store, e.g., computer organs, etc. {synthesis of acoustic waves not specific to musical instruments G10K 15/02, G10L} {G10H 7/00}
 - 984/395 ...By calculating functions or polynomial approximations to evaluate amplitudes at successive sample points of a tone waveform {G10H 7/08}

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984/396Using coefficients or parameters stored in a memory, e.g., Fourier coefficients, etc. {subclass 398 takes precedence} {G10H 7/10}

984/397Using Fourier coefficients {G10H 7/10B}